

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: COG Operating LLC		Telephone: 432-685-4332	e-mail address: kcamillo@conchoresources.com
Address: Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701			
Facility or well name: State S-19 #30		API #: 30-015-35241	U/L or Qtr/Qtr: M Sec: 19 T: 17S R: 29E
County: Eddy		Latitude: 32.813833 deg. N	Longitude: 104.119547 deg. W NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>			
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness: 12 mil Clay <input type="checkbox"/> Pit Volume: 30,000 bbl		Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) 115'		Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more - X	(20 points) (10 points) (0 points) 0
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)		Yes No - X	(20 points) (0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)		Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more - X	(20 points) (10 points) (0 points) 0
		Ranking Score (Total Points)	0 points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility: _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Closed by trench burial, procedure attached and on verbal approval by Mike Bratcher on 11-02-07
Dug out NE corner to 2' and SE corner to 20', installed liner at SE side and placed excavated soil back in lined trench for second burial trench inside pit and capped.
Lab and field samples results attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 11-14-2007

Printed Name/Title: Gary Miller- Agent

Signature: 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title: _____

Signature: _____

Signed By: 

Date: NOV 26 2007

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number:

3206

Client:

COG Operations LLC

Well Name

State S-19 #30

API#

30-015-35241

Depth of Pit

8' deep

Depth to

Groundwater

Orientation of pit N S E (W)

10-29-07

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	5280	
	5	560	
	10	160	246
NW	2	140	2100
SE	2	760	
	5	1120	
	10	1200	
	15	2800	
	20	3840	3610
	25	1400	1680
SW	2	760	
	5	240	156
Center	2	400	
	5	340	
	10	200	137

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Dig out SE corner to 20', Sample taken @ 25', will line exc. w/ plastic & place exc. Material back in trench & exc. 2' from NE corner & place in trench. For Miller Dratcher 10-30-07, Review ~~exc.~~ which Dratcher 11-2-07 line exc. use a trench - approved to Backfill.

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____


Pit wall in feet _____

x SW NW x

x Center x

x SE NE x

x _____ Indicates Sample Location
(Name by quarter i.e. NW, NE etc)

 Draw in North Arrow

Depth of pit in feet _____

• Wellhead

Well Pad

Client. COG Operating LLC

Well Name. State S-19 #30

API# 30-015-35241

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 9, 2007

Work Order: 7103132



Project Location: Eddy County, NM
Project Name: COG-State 19 #30
Project Number: 3206

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
141314	NE 10'	soil	2007-10-29	00:00	2007-10-31
141315	NW 2'	soil	2007-10-29	00:00	2007-10-31
141316	SE 20'	soil	2007-10-29	00:00	2007-10-31
141317	SW 5'	soil	2007-10-29	00:00	2007-10-31
141318	Center 10'	soil	2007-10-29	00:00	2007-10-31

Sample: 141314 - NE 10'

Param	Flag	Result	Units	RL
Chloride		246	mg/Kg	2.00

Sample: 141315 - NW 2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 141316 - SE 20'

Param	Flag	Result	Units	RL
Chloride		3610	mg/Kg	2.00

Sample: 141317 - SW 5'

Param	Flag	Result	Units	RL
Chloride		156	mg/Kg	2.00

Sample: 141318 - Center 10'

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: November 9, 2007
3206

Work Order: 7103132
COG-State 19 #30

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		137	mg/Kg	2.00

Report Date: November 13, 2007
3206

Work Order: 7110509
COG-State 19 #30

Page Number: 1 of 1
Eddy County, NM

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 13, 2007

Work Order: 7110509



Project Location: Eddy County, NM
Project Name: COG-State 19 #30
Project Number: 3206

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
141859	SE-25'	soil	2007-11-02	00:00	2007-11-05

Sample: 141859 - SE-25'

Param	Flag	Result	Units	RL
Chloride		1680	mg/Kg	2.00

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3706

Form C-144
June 1, 2004

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Pit or Below-Grade Tank Registration or Closure

SEP 06 2007

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

OCD-ARTESIA

Operator COG Operating LLC Telephone 432-685-4332 e-mail address kcarrillo@conchoresources.com	
Address 550 W. Texas, Suite 1300 Midland, TX 79701	
Facility or well name State S-19 #30 API # 30-015-35241 U/L or Qtr/Qtr M Sec 19 T 17S R 29E	
County EDDY Latitude 32.813833° N Longitude 104.119547° W NAD 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>	
Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>	
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/> Pit Volume 3000 bbl	Below-grade tank Volume _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) 115'	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)
Ranking Score (Total Points) 0 points	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No ☒ Yes ☐ If yes, show depth below ground surface _____ ft and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments	COG Operating LLC proposes to close the drilling pit as follows:
1.	Remove fluids from pit
2.	A deep trench pit will be constructed next to the existing reserve pit and lined with a 12 mil liner. The contents will be encapsulated in this pit and the liner will be folded over the mud & cuttings.
3.	Cover liner w/ 20 mil liner w/ excess of 3' on all sides as per option IV B.3.(b) of Pit and Below-Grade Tank Guidelines.
4.	Cover w/ a minimum of 3' of native soil.
5.	Contour pit to prevent erosion & ponding of rainwater.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date **09/05/07**

Printed Name/Title **Kanicia Carrillo, Regulatory Analyst**

Signature 

Your certification and NMOC approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

See Attached
Stipulations

Approval

Printed Name/Title

Gerry Guye

Compliance Officer

Signature 

Date

SEP 7 2007